Chart 18524 NM 13/01

COLUMBIA RIVER CHANNEL DEPTHS
GULL ISLAND TURN AND CHANNEL TO SAINT HELENS TURN
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO DEC 2000

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT COLUMBIA RIVER DATUM (CRD)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
GULL I TURN AND CHANNEL	44	42	41	38	10,11-00	600	2.2	40
STELLA RANGE	39	40	41	38	10-00	600	2.8	40
FISHER I CHANNEL	39	40	43	40	10-00	600	0.9	40
WALKER I CHANNEL	41	42	41	39	10-00	600	1.5	40
BARLOW PT. CHANNEL	45	46	43	38	10-00	600	1.3	40
SLAUGHTERS CHANNEL	40	40	40	40	10,12-00	600	2.5	40
SLAUGHTERS TURN AND CHANNEL OPPOSITE THE TURNING BASIN	38	40	40	39	12-00	600	1.7	40
COTTONWOOD ISLAND LOWER RANGE	38	42	42	41	12-00	600	1.7	40
COTTONWOOD ISLAND TURN	39	41	44	41	12-00	600	2.7	40
COTTONWOOD ISLAND UPPER RANGE AND TURN	39	41	42	42	12-00	600	1.6	40
KALAMA LOWER RANGE	44	42	39	37	10,12-00	600	1.8	40
KALAMA UPPER RANGE	38	40	40	41	12-00	600	2.2	40
BYBEE LEDGE CHANNEL	40	40	42	41	12-00	600	2.1	40
MARTIN ISLAND CHANNEL	40	40	41	39	12-00	600	2.1	40
MARTIN ISLAND RANGE	41	43	41	40	12-00	600	1.4	40
COLUMBIA CITY CHANNEL	41	42	42	41	12-00	600	1.2	40
ST. HELENS RANGE	39	39	41	38	12-00	600	2.0	40
ST. HELENS TURN	46	45	42	36	12-00	600	1.7	40

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18587 NM 13/01

COOS BAY AND ISTHMUS SLOUGH CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO NOV 2000

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ENTRANCE RANGE	39	39	39	6,8,9-00	—	1.9	47-37
ENTRANCE RANGE AND TURN	37	43	28	11-00	300-1050	0.5	37
INSIDE RANGE	37	36	36	11-00	300	0.6	37
COOS BAY RANGE	35	37	35	10,11-00	300	1.6	37
EMPIRE RANGE	32	34	37	10,11-00	300	1.3	37
LOWER JARVIS RANGE	35	35	32	11-00	300	0.8	37
JARVIS TURN	34	37	35	11-00	300	0.5	37
UPPER JARVIS RANGE	32	35	34	11-00	300	1.9	37
NORTH BEND LOWER RANGE	36	37	34	11-00	400	0.4	37
NORTH BEND RANGE	29	36	35	10,11-00	400	0.9	37
NORTH BEND UPPER RANGE	35	36	35	10-00	400	0.6	37
LOWER TURNING BASIN	34	37	34	10-00	400-800	0.3	37
FERNDALE LOWER RANGE	36	38	34	10-00	400	0.4	37
FERNDALE TURN	32	37	36	10-00	400	0.2	37
FERNDALE UPPER RANGE	20	37	35	10-00	400	0.7	37
MARSHFIELD RANGE	32	35	32	10-00	400	0.4	37
MARSHFIELD RANGE TO ISTHMUS SLOUGH	35	35	33	10-00	150-750	0.9	37
ISTHMUS SLOUGH	19	20	19	4-85	150	2.0	22

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18654 NM 13/01

MARE ISLAND STRAIT CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 2000

	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
A	A17.5	19.9	26.9	B23.9	4-00	700	0.3	30
B	C15.6	31.1	33.3	D21.8	4-00	700	0.3	30
C	E16.2	23.7	24.9	F14.6	4-00	700-1000	0.6	30
D	G11.4	24.6	23.7	H12.2	3-98, 4-00	1000	0.5	30
E	I 5.4	27.8	24.4	J 7.5	4-00	1000	0.5	30
F	K12.9	24.7	22.9	L 6.5	3-98, 4-00	1000	0.4	30
G	20.8	20.3	20.5	19.8	4-86	1000-940	0.2	30-26

A. A DEPTH OF 18.9 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
B. A DEPTH OF 30.0 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
C. A DEPTH OF 27.5 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
D. A DEPTH OF 26.6 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
E. A DEPTH OF 22.6 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
F. A DEPTH OF 20.7 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
G. A DEPTH OF 23.7 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
H. A DEPTH OF 18.6 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
I. A DEPTH OF 22.7 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
J. A DEPTH OF 16.2 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
K. A DEPTH OF 23.0 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
L. A DEPTH OF 16.1 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18655 NM 13/01

MARE ISLAND STRAIT CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 2000

	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
A	A17.5	19.9	26.9	B23.9	4-00	700	0.3	30
B	C15.6	31.1	33.3	D21.8	4-00	700	0.3	30
C	E16.2	23.7	24.9	F14.6	4-00	700-1000	0.6	30
D	G11.4	24.6	23.7	H12.2	3-98, 4-00	1000	0.5	30
E	I 5.4	27.8	24.4	J 7.5	4-00	1000	0.5	30
F	K12.9	24.7	22.9	L 6.5	3-98, 4-00	1000	0.4	30
G	20.8	20.3	20.5	19.8	4-86	1000-940	0.2	30-26

A. A DEPTH OF 18.9 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
B. A DEPTH OF 30.0 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
C. A DEPTH OF 27.5 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
D. A DEPTH OF 26.6 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
E. A DEPTH OF 22.6 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
F. A DEPTH OF 20.7 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
G. A DEPTH OF 23.7 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
H. A DEPTH OF 18.6 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
I. A DEPTH OF 22.7 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
J. A DEPTH OF 16.2 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
K. A DEPTH OF 23.0 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
L. A DEPTH OF 16.1 FEET WAS AVAILABLE IN THE INSIDE HALF OF THE QUARTER.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION